



Document #: 009-011 TS - 016
 Document: NON POE devices on a Phyadapter
 Version: 001

1 Introduction

This document details the instructions on how to plug a non-POE capable device into a Phyadapter for operation with the UniPhyer.

2 Procedure

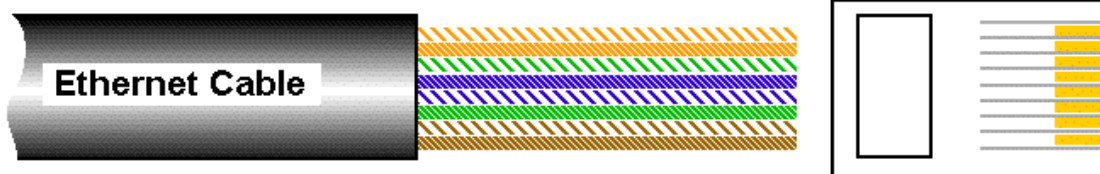
If you need to plug a data device into a Phyadapter and are unsure whether the device is IEEE 809.3af compliant (it can handle POE), you can create a straight-through RJ45 cable to eliminate the power out of the Phyadapter's RJ45 jack.

You make a straight through cable and only connect pins 1,2,3 and 6. This will give you Ethernet without power out of the RJ45 end of the PhyAdapter.

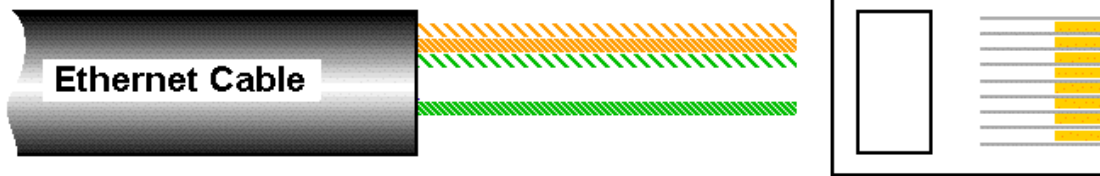
RJ 45 Pin #	Color (both sides identical)	RJ 45 Pin #
Pin 1	White with Orange	Pin 1
Pin 2	Orange	Pin 2
Pin 3	White with Green	Pin 3
Not used	Blue	Not Used
Not Used	White with Blue	Not Used
Pin 6	Green	Pin 6
Not Used	White with Brown	Not Used
Not Used	Brown	Not Used

2 Instructions

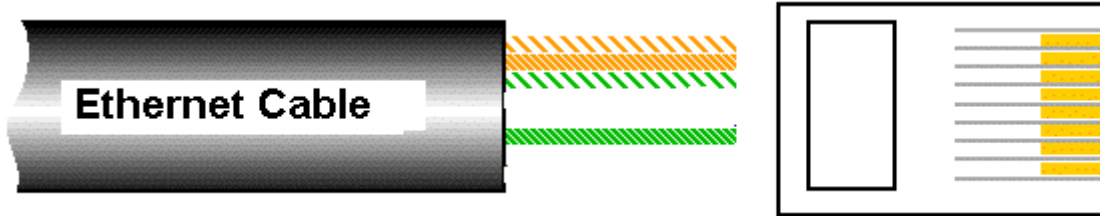
STEP 1: Cut the outer jacket of the wire about 1.5" to 2" from the end. This will give you room to work with the wire pairs. Separate the pairs and align them in the order shown below. Begin flattening the wires into a "ribbon" as shown so that it will easily slip into the connector and into the individual channelled areas.



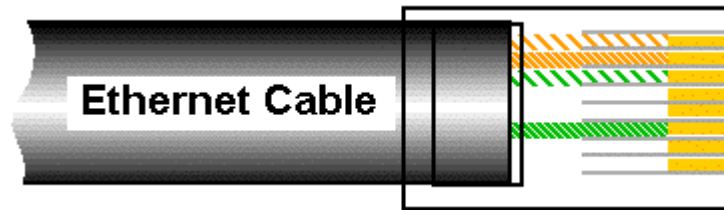
STEP 2: Clip pins 4,5,7 and 8.



STEP 3: Once you have all the wires aligned and ready to insert, you must trim them to approximately 1/2" in order to have as little "untwisted" wire in the connection as possible.



STEP 4: Insert the wires into the connector making sure that each wire goes into its appropriate "channel" and extends all the way to the end of the connector underneath the gold crimping connectors. Sometimes you can look at the end of the connector to see the copper wires if you're using solid copper cable. If the wires don't extend to the end of the connector, the crimp may not make contact.



STEP 5: Press the cable and the jacket into the connector firmly so that the jacket will be crimped by the plastic wedge near the rear of the connector, and insert it into your crimping tool and crimp the cable. **RE-CRIMP** the cable to make sure all connections are made.

STEP 6: Repeat steps 1 thru 5 for the other end of the cable for a standard Ethernet cable.